

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings of claims in the application:

LISTING OF CLAIMS:

1-15. (cancelled)

16. (previously presented) An adhesive composition, comprising:

an aqueous dispersion having a primary part, composed essentially of a gelatinized starch, and a secondary part, essentially comprising a nongelatinized starch and/or a swollen starch, in which:

- the starch of the primary part comprises a starch selected from the group consisting of native and modified legume starches, native and modified cereal starches and native and modified tuber starches, alone or as a mixture with one another, and

- when the starch of the primary part comprises a legume starch, the starch of the secondary part is then selected from the group consisting of native legume starches, native and modified cereal starches and native and modified tuber starches having an amylose content of less than 30%, alone or as a mixture with one another, and,

- when the starch of the primary part is a native or modified cereal or tuber starch, the starch of the secondary part comprises at least one native legume starch; and

said legume starches furthermore exhibiting a purity of greater than 90%, colloidal matter and/or fibrous residue contents of less than 1% (dry/dry), protein contents of less than 1% (dry/dry), and an amylose content of between 30 and 52% (dry/dry).

17. (previously presented) The adhesive composition according to claim 16, wherein said legume starches exhibit a purity of greater than 95%.

18. (previously presented) The adhesive composition according to claim 16, wherein said legume starches exhibit a purity of greater than 98%.

19. (previously presented) An adhesive composition, comprising:

an aqueous dispersion having a primary part, composed essentially of a gelatinized starch, and a secondary part, essentially comprising a nongelatinized starch and/or a swollen starch, in which:

- the starch of the secondary part is a native legume starch, and
- the starch of the primary part is optionally a native or modified legume starch,

said starches exhibiting a high purity of greater than 90%, less than 1% (dry/dry) of colloidal matter and of fibrous residues, less than 1% of proteins, and an amylose content of between 30 and 52%.

20. (previously presented) The adhesive composition according to claim 19, wherein said starches exhibit a purity of greater than 95%.

21. (previously presented) The adhesive composition according to claim 19, wherein said legume starches exhibit a purity of greater than 98%.

22. (previously presented) The adhesive composition according to Claim 16, wherein the amylose content of the legume starch or starches is between 30.5 and 45% (dry/dry).

23. (previously presented) The adhesive composition according to Claim 16, wherein the amylose content of the legume starch or starches is greater than 31% and less than 40% (dry/dry).

24. (previously presented) The adhesive composition according to Claim 16, wherein the amylose content of the legume starch or starches is between 31.5 and 39.5% (dry/dry).

25. (previously presented) The adhesive composition according to Claim 16, comprising between 10 and 40% by weight of legume starch, with respect to the whole of said composition.

26. (currently amended) The adhesive composition according to Claim 16, further comprising between 0.3 to 5% by weight of an alkaline substance, with respect to the whole of said composition.

27. (currently amended) The adhesive composition according to Claim 16, further comprising between 0.01 to 5% by weight, with respect to the total starch, of borax or of any other boron-carrying chemical compound.

28. (previously presented) The adhesive composition according to Claim 16, exhibiting a solids content of greater than approximately 26%.

29. (previously presented) The adhesive composition according to Claim 16, exhibiting a solids content equal to or

greater than 28%.

30. (currently amended) The adhesive composition according to Claim 16, further comprising an ~~effective~~ amount of a chemical agent which is at least equal to that which allows said adhesive composition to confer, onto a final corrugated fibreboard properties of resistance to water according to the FEFCO No. 9 test, wherein said chemical agent is selected from the group consisting of sulphates, in particular zinc sulphate, ~~aluminium sulphate or copper sulphate,~~ zirconium-carrying compounds [[or]] and diammonium phosphate.

31. (previously presented) The adhesive composition according to Claim 30, exhibiting a solids content of greater than approximately 20%.

32. (previously presented) The adhesive composition according to Claim 30, exhibiting a solids content equal to or greater than 22%.

33. (previously presented) The adhesive composition according to Claim 30, exhibiting a solids content of greater than approximately 24%.

34. (previously presented) The adhesive composition according to Claim 30, exhibiting a solids content equal to or greater than 26%.

35. (currently amended) The adhesive Adhesive composition according to Claim 16, further comprising an effective amount of a resin which is at least equal to that which allows said adhesive composition to confer, onto a final corrugated fibreboard properties of resistance to water according

to the FEFCO No. 9 test, wherein said resin is selected from the group consisting of formaldehyde resins and of formaldehyde-free synthetic resins.

36. (previously presented) A process for the preparation of corrugated fibreboard, comprising, at least once, the following steps:

- applying, to the tips of the flutes of a preshaped paper strip, an adhesive composition according to Claim 16,
- applying a flat paper or a flat fibreboard to the flute tips thus coated with the adhesive composition, and
- drying.

37. (previously presented) A corrugated fibreboard, comprising an adhesive composition according to Claim 16.

38. (currently amended) [[the]] The corrugated fibreboard according to Claim 37, exhibiting a resistance to water according to the criteria defined by the FEFCO No. 9 test.

39. (previously presented) A corrugated fibreboard comprising an adhesive composition according to Claim 16, which is selected from the group consisting of "single face", "single wall" or "triple wall" fibreboard, "heavy" fibreboard, fibreboard exhibiting a number of flutes of greater than 3, and/or microflutes.

40. (previously presented) The adhesive composition according to Claim 19, wherein the amylose content of the legume starch or starches is between 30.5 and 45% (dry/dry).

41. (previously presented) The adhesive composition according to Claim 19, wherein the amylose content of the legume

starch or starches is greater than 31% and less than 40% (dry/dry).

42. (previously presented) The adhesive composition according to Claim 19, wherein the amylose content of the legume starch or starches is between 31.5 and 39.5% (dry/dry).

43. (currently amended) The adhesive composition according to Claim 19, further comprising between 10 and 40% by weight of legume starch, with respect to the whole of said composition.

44. (currently amended) The adhesive composition according to Claim 19, further comprising between 0.3 to 5% by weight of an alkaline substance, with respect to the whole of said composition.

45. (currently amended) The adhesive composition according to Claim 19, further comprising between 0.01 to 5% by weight, with respect to the total starch, of borax or of any other boron-carrying chemical compound.

46. (previously presented) The adhesive composition according to Claim 19, exhibiting a solids content of greater than approximately 26%.

47. (previously presented) The adhesive composition according to Claim 19, exhibiting a solids content equal to or greater than 28%.

48. (currently amended) The adhesive composition according to Claim 19, comprising effective amount of a chemical agent which is at least equal to that which allows said adhesive composition to confer, onto a final corrugated fibreboard

properties of resistance to water according to the FEFCO No. 9 test, said chemical agent selected from the group consisting of sulphates, in particular zinc sulphate, aluminium sulphate or copper sulphate, zirconium-carrying compounds [[or]] and diammonium phosphate.

49. (currently amended) The adhesive composition according to Claim 19, further comprising an effective amount of a resin which is at least equal to that which allows said adhesive composition to confer, onto a final corrugated fibreboard properties of resistance to water according to the FEFCO No. 9 test, said resin is selected from the group consisting of formaldehyde resins and of formaldehyde-free synthetic resins.

50. (previously presented) A process for the preparation of corrugated fibreboard, comprising, at least once, the following steps:

- applying, to the tips of the flutes of a preshaped paper strip, an adhesive composition according to Claim 19,

- applying a flat paper or of a flat fibreboard to the flute tips thus coated with the adhesive composition, and  
- drying.

51. (previously presented) A corrugated fibreboard, comprising an adhesive composition according to Claim 19.

52. (new) The adhesive composition according to claim 30, wherein the chemical agent is a sulphate selected from the group consisting of zinc sulphate, aluminium sulphate and copper sulphate.

53. (new) The adhesive composition according to claim 48, wherein the chemical agent is a sulphate selected from the group consisting of zinc sulphate, aluminium sulphate and copper sulphate.